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## **ABSTRACT**

A spacing violation checker that forms conductor rectangles, forms minimum spacing rectangles, identifies possible errors and checks whether possible errors are true errors allows same net spacing errors to be recognized during physical design prior to the design rules check. The software supporting the invention performs orders of magnitude faster than the design rules check solution. As such, the invention dramatically decreases the turn-around time of physical design, providing a fast solution which is available prior to final layout release.

